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ABSTRACT

A partial pre-aggregation database operation improves processing efficiency of database queries by reducing the number of records input into a subsequent database operation, provided the query includes a final aggregation. A query optimizer is provided to determine when it is economical to partially pre-aggregate data records and when it is not. The partial pre-aggregation creates a record store in memory as input records are received. The record store is then used by another database operator, which saves the other database operator from having to re-create the record store.